Broeikasgasmitigatie van gezondheidszorgsystemen en de interacties ervan met adaptatie in de context van klimaatverandering

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Introduction



Wat is de impact?

De impact van klimaatverandering op gezondheid

Door blootstelling aan meteorologische omstandigheden, extreem weer, luchtkwaliteit of andere gevolgen, waaronder de perceptie van klimaatverandering:

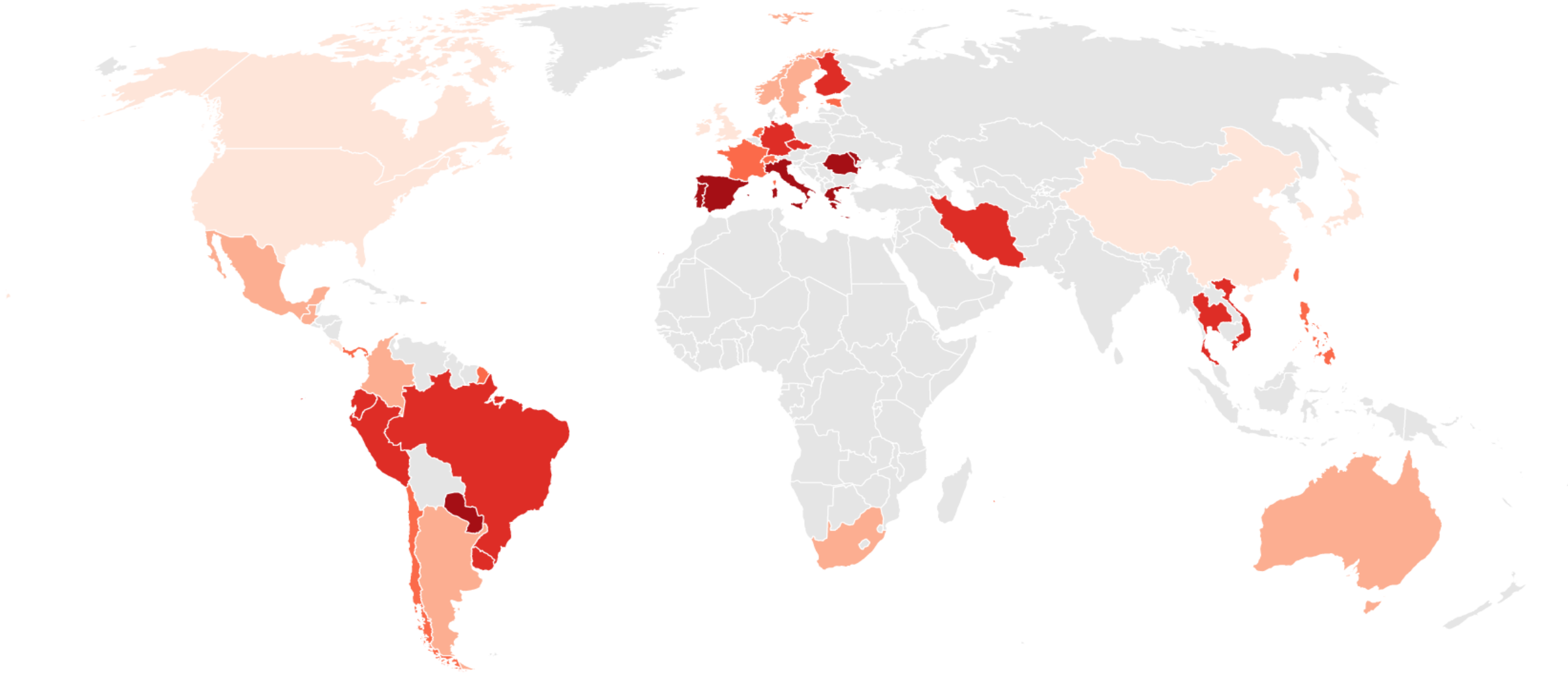
- Infectieziekten
- Sterfte
- Ademhalings-, cardiologische, neurologische aandoeningen
- Mentale gezondheid
- Zwangerschap & bevalling
- Voedselzekerheid & -veiligheid
- Huid & allergieën
- Arbeidsgezondheid
- Bijzonder acuut voor lage- en middeninkomenslanden.

Sources: Sharpe I, Davison CM, Climate change, climate-related disasters and mental disorder in low- and middle-income countries: a scoping reviewBMJ Open 2021;11:e051908. doi: 10.1136/bmjopen-2021-051908
Rocque RJ, Beaudoin C, Ndjaboue R*, et al* Health effects of climate change: an overview of systematic reviews *BMJ Open* 2021;**11:**e046333. doi: 10.1136/bmjopen-2020-046333

Meer dan 35% van de totale hittegerelateerde sterfgevallen van 1990-2018 wordt toegeschreven aan door de mens veroorzaakte klimaatverandering, gebaseerd op gegevens van 732 locaties in 43 landen.

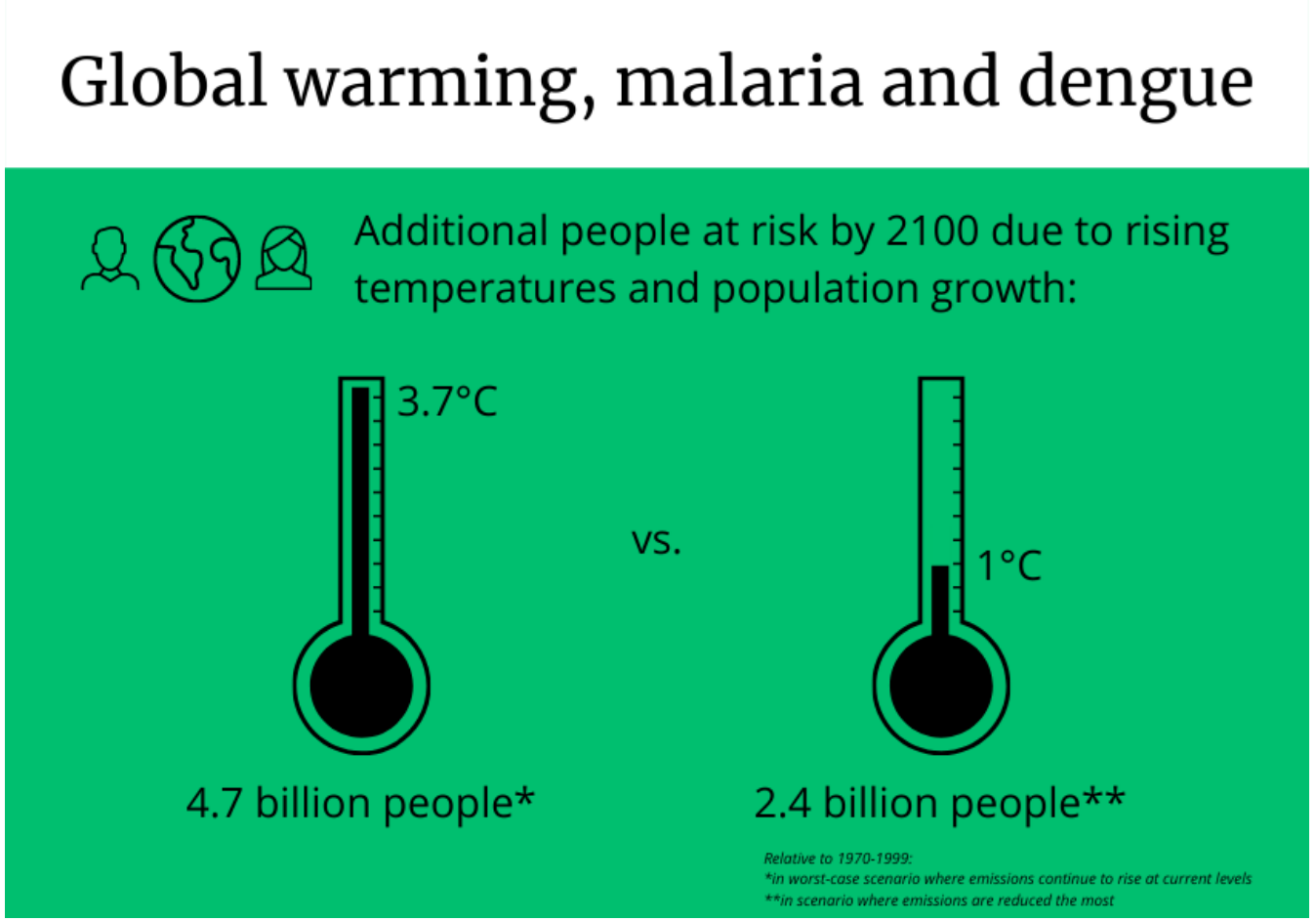
(Vicedo-Cabrera et al Nature Climate Change 2021).

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Slide: Prof Andy Haines

Toekomstig risico op door muggen overgedragen ziekten in een warmere wereld



Slide: Prof Andy Haines

Colón-González *et al.*, *The Lancet Planet Health* 2021

Mentale gezondheidseffecten van klimaatverandering (bijv. toename van veelvoorkomende mentale stoornissen na extreme gebeurtenissen, solastalgie en klimaatangst)



(Photo by Pedro Paulo Xerente for the Fundação Nacional do Índio, Brazil)



https://www.who.int/health-topics/floods#tab_1

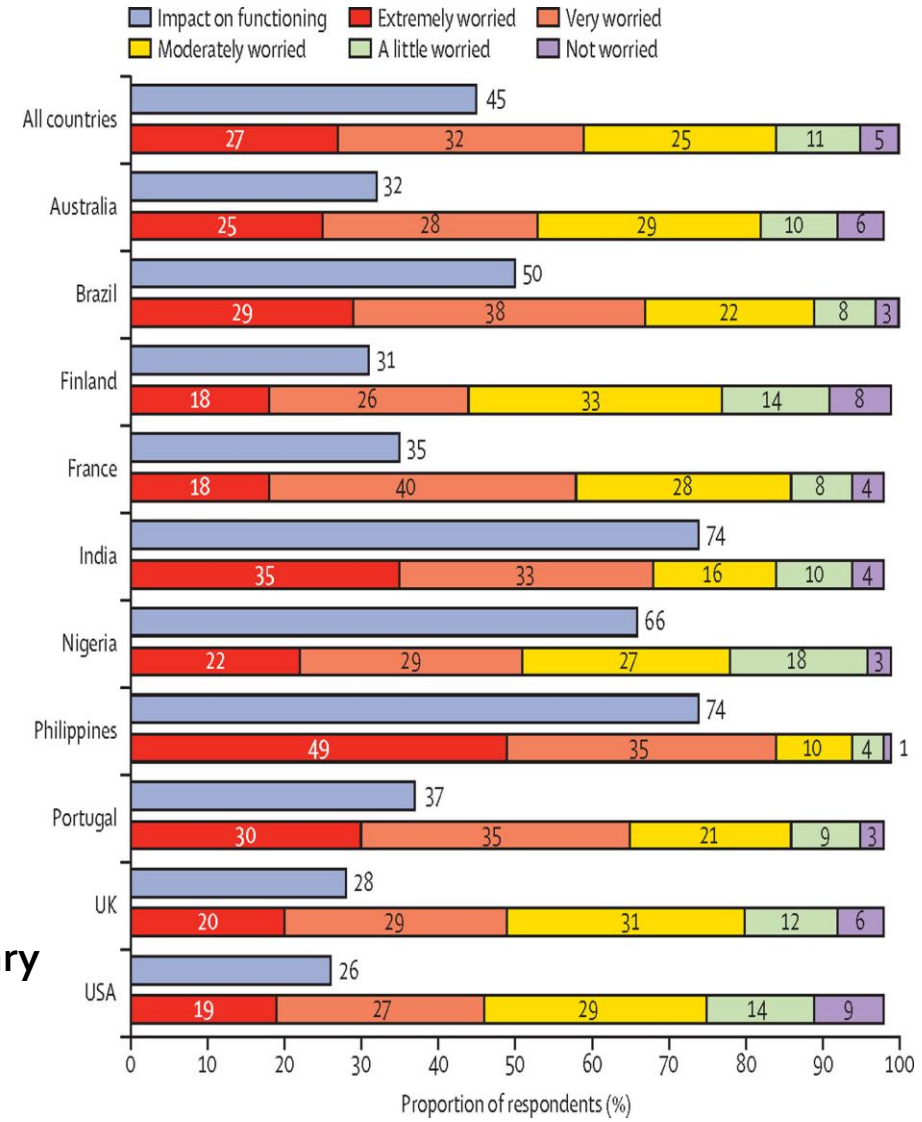


RACGP (Image: David Mariuz)

Climate anxiety in children and young people

Hickman et al Lancet Planetary Health 2021

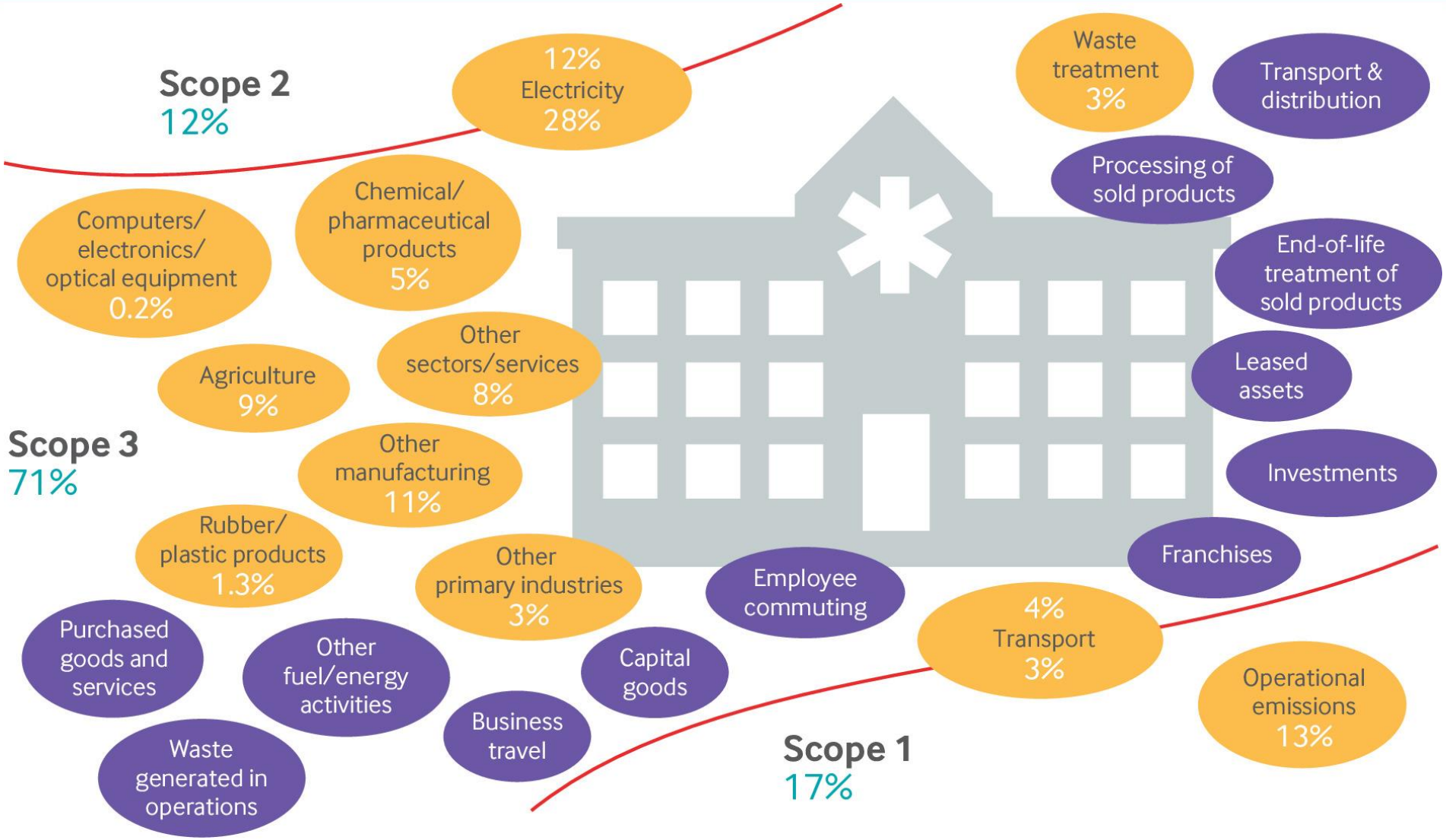
Slide: Prof Andy Haines



Introductie



Impact van de gezondheidszorg op klimaatverandering



Many components of scope 3 are "unmeasured" and are not fully captured in the 71% of total emissions. These are depicted in purple.

Source: Salas R N, Maibach E, Pencheon D, Watts N, Frumkin H. A pathway to net zero emissions for healthcare BMJ 2020; 371 :m3785 doi:10.1136/bmj.m3785

First, do no harm



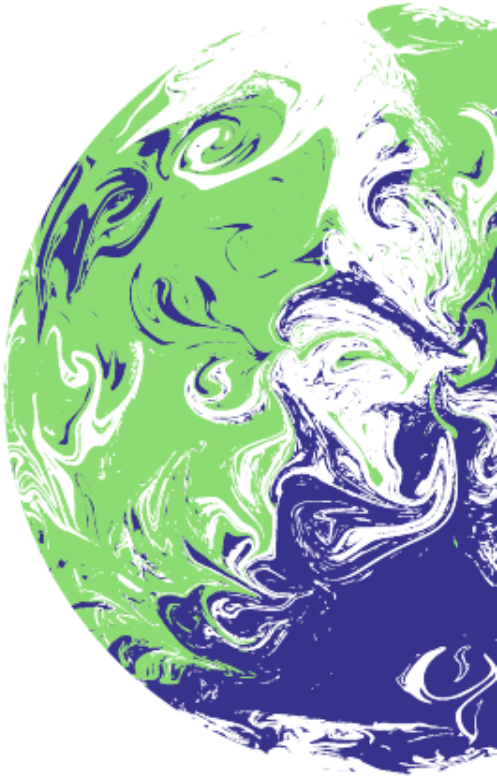
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Lage- en middeninkomenssituaties



Recente ontwikkelingen

- UNFCCC COP26 Health Commitments
- 2022 World Health Day
- G7 Leader's Communique
- Oproep WHO voor een gezonde en duurzame COVID-19 herstel
- COP28: thematic day



Source: UKCOP26. 2021 [accessed 29/08/2022. Available at: link.

Initial solutions

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the bmj Visual summary

Net zero healthcare

Strategies for sustainable healthcare during the climate emergency

The climate emergency is forcing the medical community to think beyond care for individual patients - expanding our duty of care to protecting the Earth's natural systems on which intergenerational health and wellbeing depend. This graphic presents twelve strategies out of more than 100 presented in two papers published in *The BMJ* for the COP26 climate conference in 2021. It uses the metaphor of a stylised town to visualise what these changes could look like. Such changes are now needed in towns and cities across the world.

1 Clean energy transition

Renewable energy sourcing and low carbon grids

2 Warning systems

Heat and air quality index alerts delivered via mobile devices

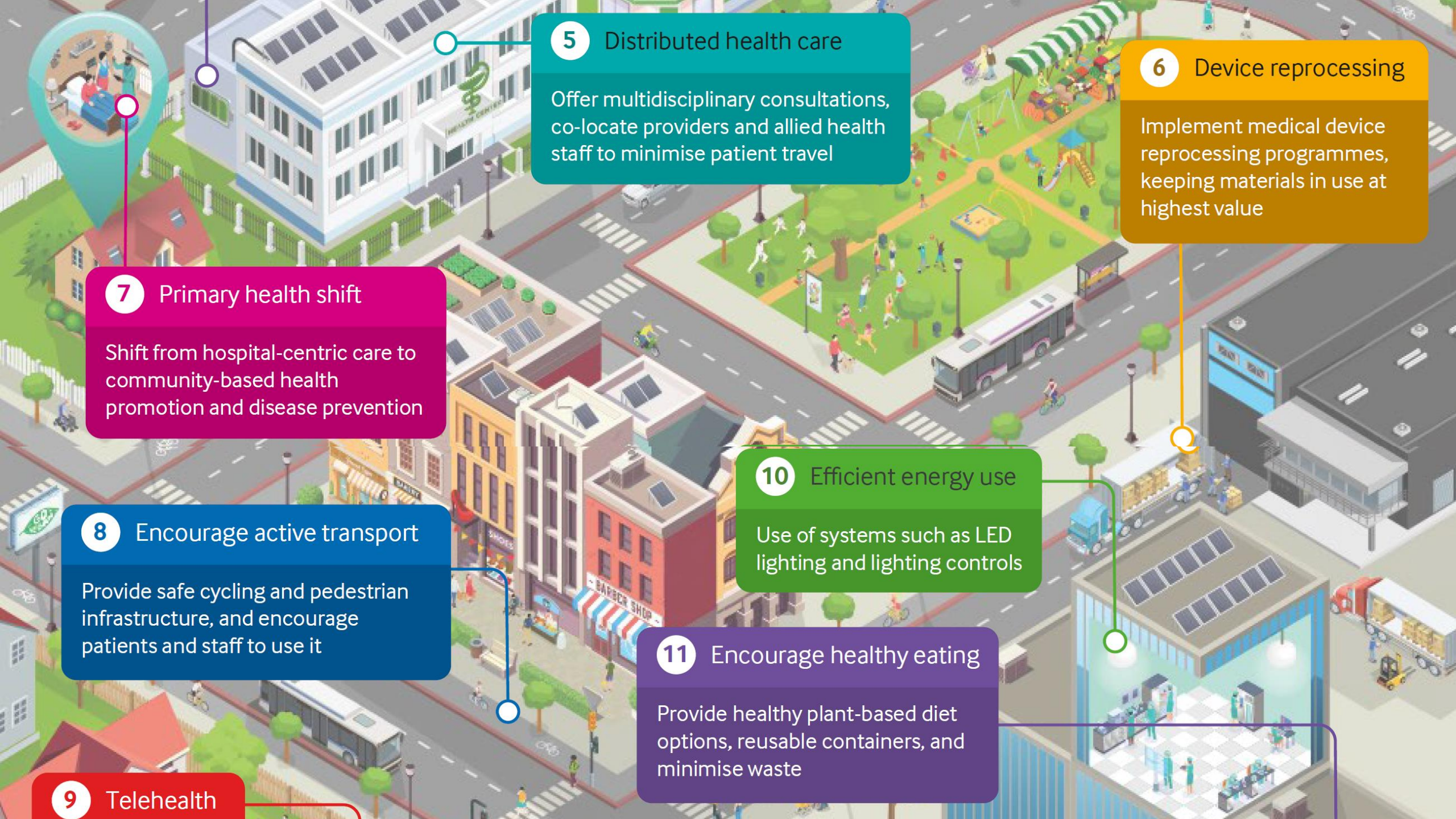
3 Low carbon prescribing

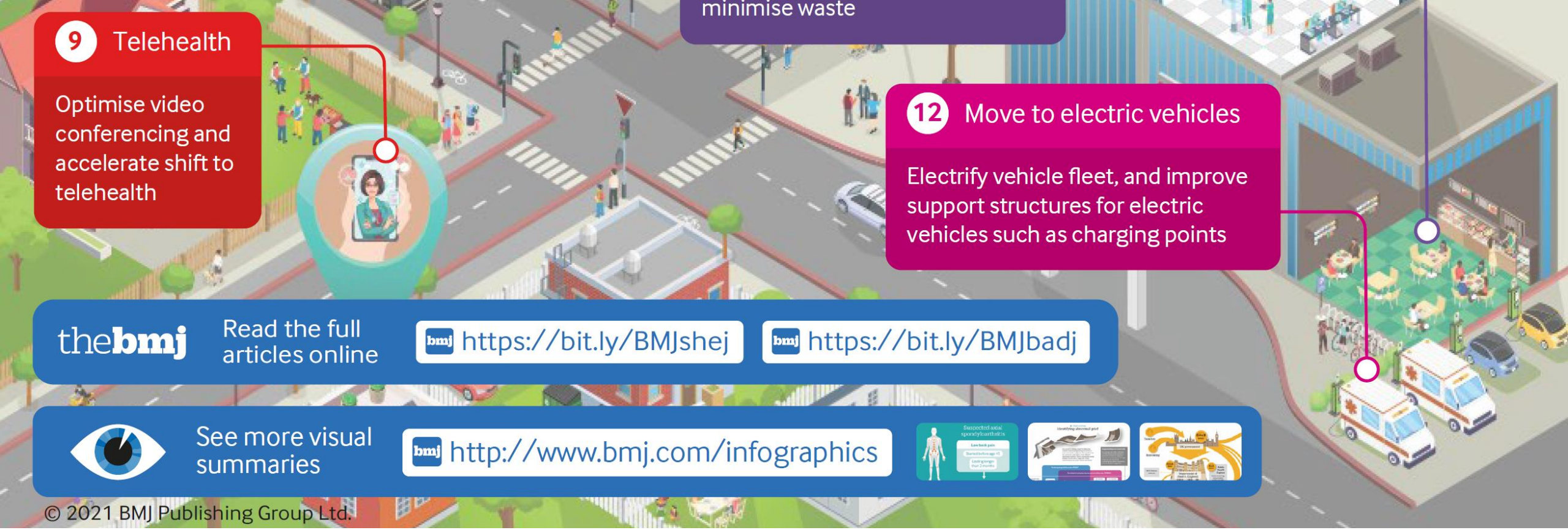
Mandate low carbon products, packaging, and logistics, from low carbon suppliers with visible carbon reporting and net zero targets

4 Battery power

Use battery power to expand electricity supply from renewable sources and reduce the need for fossil fueled generators




5 Distributed health care
Offer multidisciplinary consultations, co-locate providers and allied health staff to minimise patient travel
6 Device reprocessing
Implement medical device reprocessing programmes, keeping materials in use at highest value
7 Primary health shift
Shift from hospital-centric care to community-based health promotion and disease prevention
8 Encourage active transport
Provide safe cycling and pedestrian infrastructure, and encourage patients and staff to use it
10 Efficient energy use
Use of systems such as LED lighting and lighting controls
11 Encourage healthy eating
Provide healthy plant-based diet options, reusable containers, and minimise waste
9 Telehealth



- Scope 3: NHS & US

Conclusie

- Momentum
- Behoefte aan op bewijs gebaseerde richtlijnen
- Connectie tussen mitigatie en adaptatie

The time is now.

Dank voor de aandacht!

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Dr Susannah Mayhew

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